



FUEL REPORT

Sample Rating Trend

ISO



Area
Store 2 - Beaver
 Machine Id
JOHN DEERE 332G 1T0332GMJMF394269
 Component
Diesel Fuel
 Fluid
{not provided} (54 GAL)



DIAGNOSIS

Recommendation

We advise that you filter this fluid before use. All laboratory tests indicate that this sample meets specifications for No.2 ultra-low-sulfur diesel fuel.

Corrosion

All metal levels are normal indicating no corrosion in the system.

Contaminants

There is a high amount of silt (particulates < 14 microns in size) present in the fuel. The water content is negligible. There is no bacteria or fungus (yeast and/or mold) indicated in the sample.

Fuel Condition

Sulfur value derived by ASTM D5453 method for ULSD validation. Sulfur level is acceptable for ULSD specification.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	LECP161083	---	---
Sample Date	Client Info	20 Feb 2024	---	---
Machine Age	hrs Client Info	3208	---	---
Sample Status		MARGINAL	---	---

PHYSICAL PROPERTIES

method	limit/base	current	history1	history2
Specific Gravity	*ASTM D1298	0.849	---	---
Fuel Color	text *Visual Screen	Red	---	---
ASTM Color	scalar *ASTM D1500	L6.5	---	---
Visc @ 40°C	cSt ASTM D445	2.31	---	---

SULFUR CONTENT

method	limit/base	current	history1	history2
Sulfur	ppm ASTM D5185m	0	---	---
Sulfur (UVF)	ppm ASTM D5453	6	---	---

DISTILLATION

method	limit/base	current	history1	history2
Initial Boiling Point	°C ASTM D86	162	---	---
5% Distillation Point	°C ASTM D86	188	---	---
10% Distill Point	°C ASTM D86	198	---	---
15% Distillation Point	°C ASTM D86	205	---	---
20% Distill Point	°C ASTM D86	212	---	---
30% Distill Point	°C ASTM D86	226	---	---
40% Distill Point	°C ASTM D86	243	---	---
50% Distill Point	°C ASTM D86	258	---	---
60% Distill Point	°C ASTM D86	275	---	---
70% Distill Point	°C ASTM D86	289	---	---
80% Distill Point	°C ASTM D86	306	---	---
85% Distillation Point	°C ASTM D86	315	---	---
90% Distill Point	°C ASTM D86	326	---	---
95% Distillation Point	°C ASTM D86	342	---	---
Final Boiling Point	°C ASTM D86	349	---	---
Distillation Residue	% ASTM D86	1.4	---	---
Distillation Loss	% ASTM D86	0.8	---	---

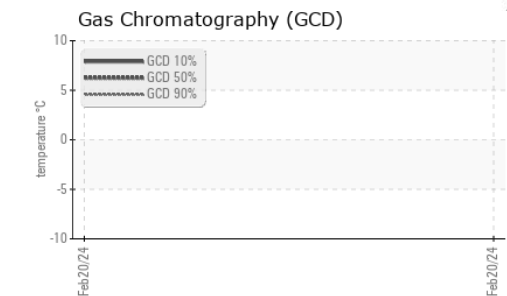
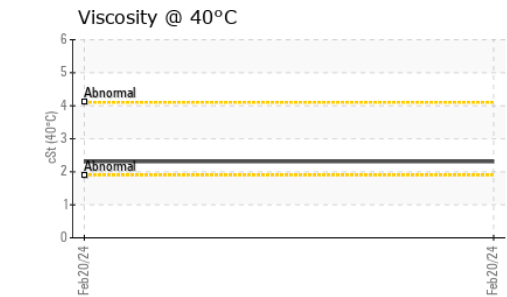
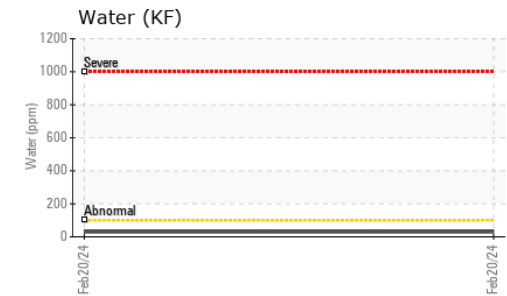
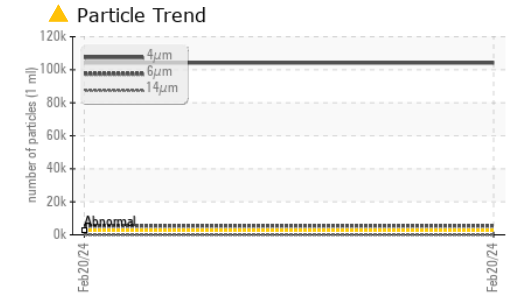
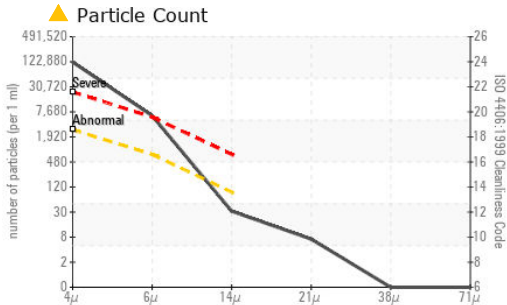
IGNITION QUALITY

method	limit/base	current	history1	history2
API Gravity	ASTM D7777	35.2	---	---
Cetane Index	ASTM D4737 <40.0	44.8	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m <1.0	0	---	---
Sodium	ppm ASTM D5185m <0.1	<1	---	---
Potassium	ppm ASTM D5185m <0.1	<1	---	---
Water	% ASTM D6304 <0.05	0.003	---	---
ppm Water	ppm ASTM D6304 <500	30	---	---
% Gasoline	% *In-House <0.50	0.0	---	---
% Biodiesel	% *In-House <20.0	0.0	---	---

FUEL REPORT

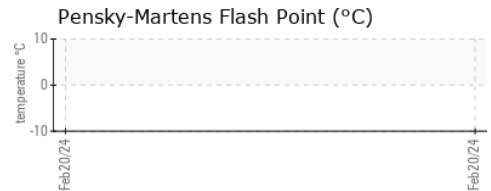
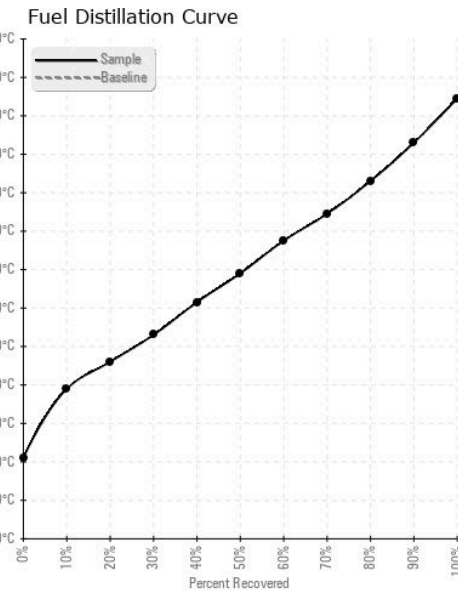


FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>2500	▲ 104138	---	---
Particles >6µm	ASTM D7647	>640	▲ 5412	---	---
Particles >14µm	ASTM D7647	>80	28	---	---
Particles >21µm	ASTM D7647	>20	6	---	---
Particles >38µm	ASTM D7647	>4	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>18/16/13	▲ 24/20/12	---	---

HEAVY METALS	method	limit/base	current	history1	history2
Aluminum	ppm	ASTM D5185m <0.1	0	---	---
Nickel	ppm	ASTM D5185m <0.1	0	---	---
Lead	ppm	ASTM D5185m <0.1	0	---	---
Vanadium	ppm	ASTM D5185m <0.1	0	---	---
Iron	ppm	ASTM D5185m <0.1	0	---	---
Calcium	ppm	ASTM D5185m <0.1	<1	---	---
Magnesium	ppm	ASTM D5185m <0.1	<1	---	---
Phosphorus	ppm	ASTM D5185m <0.1	0	---	---
Zinc	ppm	ASTM D5185m <0.1	0	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LECP161083 **Received** : 22 Feb 2024
Lab Number : 06097348 **Tested** : 01 Mar 2024
Unique Number : 10890201 **Diagnosed** : 01 Mar 2024 - Doug Bogart
Test Package : DF-1 (Additional Tests: PQ, Screen)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: (740)373-5570